

The University of North Carolina Energy Leadership Challenge

Working Group Sessions

Thursday, July 18, 2:15 – 5:00 pm

Working Group Sessions Facilitated by Rocky Mountain Institute
Led by University and industry "Faculty"
All participants please self-select if not pre-assigned

1. Campus-Based Energy Efficiency: Energy Managers

Charged with identifying, pursuing, and achieving measurable energy reductions and cost savings across our diverse campus environments

Room # 137-A Calloway Peak : Plemmons Student Union

Discussion Leader: Victor Olgyay

Principle: Buildings Rocky Mountain Institute

A principal architect directing RMI's buildings practice, Victor is leading an initiative to encourage widespread adoption of comprehensive building energy retrofits resulting in energy savings of at least 50 percent. Victor has a wide range of experiences in architectural design and planning, with specializations in bioclimatic building and day lighting design.

Team Leaders: Steve Sharp

Energy Manager UNC Wilmington

Chris Martin

Energy Management Director UNC Chapel Hill

Scribe: Patrick Beville Ioncon

Campus-Based Energy Efficiency participants will examine strategies and methods for:

- A) Selling the business value and creating organizational support for energy management programs
- B) Identifying, developing, and retaining the technical skillsets required to transform energy utilization

2. High Performance Campus Design: Design & Construction/Campus Architects

Charged with envisioning and executing plans for designing the campuses of the future that are both energy efficient and environmentally friendly while promoting and inspiring our core purpose, higher education

Room # 137-B: Macrae Peak: Plemmons Student Union

Discussion Leader: Blake Herrshaft

Consultant: Buildings Rocky Mountain Institute

Blake Herrschaft, PE, is a consultant within RMI's building's practice and has 6 years of experience in project management, integrated sustainable design consulting, whole building energy simulation, HVAC design and controls, water efficiency, and design and analysis for renewable energy systems.

Team Leaders: Rosalba Ledezma

Director of Design and Construction Winston-Salem State

Cameron Smith

Director, Capital Project Management NC State

Scribe: John Pine Appalachian State

High Performance Campus Design participants will examine strategies and methods for:

- A) Evolving master planning methodologies that encompasses emerging sustainability standards
- B) Designing for energy efficiency and space utilization

3. Academic Integration: Sustainability Directors + Academic Leader

Charged with elevating the importance of integrating energy savings and sustainability into existing curriculum and research activities

Room # 201-B: Table Rock: Plemmons Student Union

Discussion Leader: Michael Kinsley

Senior Consultant Rocky Mountain Institute

Michael specializes in sustainable communities and college campuses, and collaborative problem solving. In years past, he coordinated RMI's Factor Ten Engineering project, which is developing educational resources for students, engineers, architects, and their clients in order to reduce costs and carbon emission in energy-intensive facilities and products. Outside his RMI work, Michael is a local community diplomat in Colorado, resolving controversies through facilitation, mediation, and whole-system thinking. Michael has been with RMI since 1983.

Team Leaders: Trey McDonald

Sustainability Coordinator for Operations UNC Greensboro

Jeff Ramsdell

Professor Appalachian State University
Director Appalachian Energy Center

Scribe: Janice Pope Appalachian State

Academic Integration participants will examine strategies and methods for:

- A) How do we legitimize the importance of integrating energy savings & sustainability into learning outcomes and research activities?
- B) What are the potential organizational structures that integrate energy savings & sustainability into the campus ecosystem, allowing knowledge and skills to flow between campus operations and faculty/student expertise.

4. Transportation-Oriented Opportunities: Transportation Managers

Charged with reducing the energy usage and environmental footprint in all university-related travel including transportation, transit, and alternative fuel sources

Room # 120 : Roan Mountain : Plemmons Student Union

Discussion Leader: Ben Holland

Director of Deployment Strategy Securing America's Energy Future

A manager of project Get Ready, a Rocky Mountain Institute initiative focused on preparing communities and industry stakeholders for the integration and adoption of electric vehicle technology. In addition, he works as an analyst on RMI's Solar PV Market Transformation program.

Team Leaders: Marcy Bauer

Clean Transportation Specialist NC State Solar Center

Brian O'Sullivan

Asst. Dir. Transportation: Planning and Operations NC State University

Scribe: Michelle Novacek Appalachian State

Transportation-Oriented Opportunities participants will examine strategies and methods for:

- A) Defining the relevant stakeholders, resources, and metrics relative to transportation energy opportunities and the UNC Energy Leadership Challenge
- B) Identifying energy efficiency and savings opportunities relative to: legislation, cross-campus standards, economies of scale, and consolidation

5. Finance, Regulatory, and Energy Generation: Senior Facility Officers & State Energy Office

Charged with strategically evaluating the emerging finance and regulatory issues and opportunities associated with achieving energy and cost savings. This group is also charged with identifying emerging models and methods of traditional and renewable energy generation

Room # 137-C: Attic Window: Plemmons Student Union

Discussion Leader: Cara Carmichael

Senior Consultant: Buildings Rocky Mountain Institute

Applying over 12 years of direct industry experience, Cara helped shape the strategic creation and start-up of the RetroFit Initiative within RMI. She led the content development and launch of the RetroFit Depot, an online industry resource about deep retrofits - benefits, processes, case studies and tools to prove the economic viability of deep commercial building retrofits. She continues to lead an effort focused on implementing a deep retrofit business model within energy service companies and targeted architectural, engineering and consulting firms.

Team Leaders: Jack Colby

Assistant Vice Chancellor for Facilities Operations NC State

Miriam Tripp

Special Finance Projects Officer UNC General Administration

Scribe: Matt Allenbaugh Appalachian State

Finance, Regulatory, and Energy Generation participants will examine strategies and methods for:

- A) Identifying realistic policy changes and leveraging the 17-campus system in the legislative process (ex., access to energy savings)
- B) Creating self-performing and at-risk funding models for energy savings measures
- C) Identifying and cultivating alternative funding sources for energy savings and renewable energy generation projects

6. Student Leadership and Engagement: Appointed Student Leaders from Across the UNC System Charged with envisioning how they as students will be engaged in campus energy and sustainability efforts, and further empowered to lead

Room #226: Linville Falls: Plemmons Student Union

Discussion Leaders: Lee Ball

Building Science Lecturer Appalachian State University

Allison Sims

Student Summit Coordinator Appalachian State University

Student Leadership and Engagement participants will examine strategies and methods for:

- A) Empowering students to lead in campus energy and sustainability efforts
- B) Leading by example; initiating student-based programs for energy conservation